IN THE CLAIMS:

1. A method of enhancing the rendering of pixels in the case of opcoder comprising the steps of:

determining maximum and minimum values of index, and expanding the lookup table opcodes over all values of index.

2. The method of Claim 1 wherein the expanding step includes the step of replicating the highest value if the index is above the normal table area.

3. The method of Claim 1 wherein said opcodes are for shading.

4. The method of Claim 1 wherein the expanding step includes the step of replicating the lowest value if the index is below the normal table area.

5. A printer comprising:

a printing device,

a printer controller for controlling said printing device, said printer controller including means for interpreting responsive to each line of source language to translate into machine language and then execute and wherein a figure to be printed is divided into graphics rendering primitives and means for rendering where each and every pixel in the primitive is a function of its position the primitive, said means for rendering includes a lookup table that includes opcode values over all values of indexes wherein the index into the lookup table is calculated for every pixel using a base value and a gradient in both x and y directories.

6. A raster image processor for preparing data for raster output comprising:

an interpreter for translating source language into machine language and dividing figure drawn into primitives,

a rendering subsystem including a means for generating an index for each pixel in each of said primitives and

a lookup table for the entire range of index values.

7. The raster image processor of Claim 6 wherein said lookup table of said rendering subsystem has its highest and lowest values replicated above and below the normal table indexes so as to provide lookup table values for the entire range of indexes.